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NOTICE OF ALLOWANCE AND FEE(S) DUE

26646

7590

02/26/2010

KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004

EXAMINER				
ZHANG, JUE				
ART UNIT	PAPER NUMBER			
2838				

DATE MAILED: 02/26/2010

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
_	10/561,724	05/04/2006	Bernd Frey	10191/4458	8222

TITLE OF INVENTION: METHOD FOR PREDICTING THE RESIDUAL SERVICE LIFE OF AN ELECTRIC ENERGY ACCUMULATOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/26/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificat	correspondence including below or directed oth tions.	ng the Patent, advance on herwise in Block 1, by (a	ders and notification of n a) specifying a new corres	naintenance fees wil pondence address; a	l be mailed to nd/or (b) indic	the current c cating a separa	orrespondence address as ate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				s) Transmittal. This	certificate canno caper, such as	not be used for an assignment	domestic mailings of the any other accompanying or formal drawing, must
26646 KENYON & K ONE BROADW NEW YORK, N	'AY	/2010		Cartil	icate of Maili	ng or Transm	ission deposited with the United class mail in an envelope bove, or being facsimile e indicated below.
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	F	ATTORNEY DO	CKET NO.	CONFIRMATION NO.
10/561,724 ITTLE OF INVENTION	05/04/2006 : METHOD FOR PRED	ICTING THE RESIDUA	Bernd Frey L SERVICE LIFE OF AN	ELECTRIC ENERC	10191/4 FY ACCUMUI		8222
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nonprovisional	NO	\$1510	\$300	\$0	5	\$1810	05/26/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
ZHANG	G, JUE	2838	324-427000	'			
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl recordation as set fort! (A) NAME OF ASSIG	ND RESIDENCE DATA less an assignee is identi h in 37 CFR 3.11. Comp GNEE	"Indication form led. Use of a Customer A TO BE PRINTED ON T ified below, no assignee oletion of this form is NO	(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attoo listed, no name will be THE PATENT (print or typ data will appear on the paT a substitute for filing an a (B) RESIDENCE: (CITY	rely, e firm (having as a n gent) and the names rneys or agents. If no printed. e) tent. If an assignee assignment. and STATE OR CO	nember a of up to name is 3_ is identified buntrry)		
			inted on the patent):				-
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
a. Applicant claims	tus (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no long				
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than the Office.	ne applicant; a regist	ered attorney o	r agent; or the	assignee or other party in
Authorized Signature				Date			
Typed or printed name	e			Registration No	•		
This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450. Alexandria, V	ation is required by 37 C tiality is governed by 35 d application form to the tons for reducing this but irrining 22313-1450. DC	EFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 mi idual case. Any com r, U.S. Patent and Ti) THIS ADDRESS	public which in nutes to complements on the arademark Office	is to file (and lete, including mount of times, U.S. Depar	by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450

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26646 75	590 02/26/2010		EXAM	INER	
KENYON & KE	NYON LLP		ZHAN	G, JUE	
ONE BROADWA	_		ART UNIT	PAPER NUMBER	
NEW YORK, NY 10004			2838		
			DATE MAILED: 02/26/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 383 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 383 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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	Application No.	Applicant(s)	
Alada a PAHa a Lilid	10/561,724	FREY ET AL.	
Notice of Allowability	Examiner	Art Unit	
	JUE ZHANG	2838	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate communates. This application is sufficient to the community of the community o	his application. If not included ication will be mailed in due cours	se. THIS
1. This communication is responsive to <u>12/22/2009</u> .			
2. ☑ The allowed claim(s) is/are <u>7 and 9-16</u> .			
3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in till 6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT in the such sheet. Replacement sheet(s) should be Reposited in the such sheet. Replacement sheet(s) should be Reposited Examiner's comment regarding REQUIREMENT in the such sheet.	e been received. been received in Application cuments have been received in Application of this communication to file and the second of this application. itted. Note the attached EXAM as reason(s) why the oath or do set be submitted. son's Patent Drawing Review (see Amendment / Comment or in the header according to 37 CFR sit of BIOLOGICAL MATER	No In this national stage application for this national stage application for the requirer of the complying with the requirer of the complex of the Office action of the Office action of the the the complex of the the the complex of the the the the complex of the the the the the the the complex of the	ments CE OF
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material /Bao Q. Vu/ Primary Examiner, Art Unit 2838	6. ☐ Interview Sun Paper No./M 7. ☐ Examiner's A	rmal Patent Application nmary (PTO-413), ail Date mendment/Comment tatement of Reasons for Allowand	ce

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DETAILED ACTION

1. This Office action is in response to the amendment filed on 12/22/2009. Claims 7, 9-16 are pending, of which original claims 7, 12 are amended by the present amendment.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/22/2009 has been entered.

Allowable Subject Matter

- 3. Claims 7, 9-16 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

For claim 7, the prior art does not disclose or suggest, primarily, ... adapting continuously a parameter of a mathematical model of the energy storage mechanism to a real value over the lifetime of the energy storage mechanism; adapting the mathematical model with the adapted parameter; performing extrapolation via the mathematical model; determining at regular intervals the remaining lifetime based on the extrapolation, wherein the mathematical model is adapted with the adapted

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parameter between the regular intervals, and wherein the remaining lifetime is defined as a time until reaching any definable limiting values for one of a minimum efficiency and a minimum storage capacity

For claim 12, the prior art does not disclose or suggest, in combination with the limitations of the base claim and any intervening claims, primarily, ... adapting continuously a parameter of a mathematical model of the energy storage mechanism to a real value over the lifetime of the energy storage mechanism; adapting the mathematical model with the adapted parameter; performing extrapolation via the mathematical model; determining at regular intervals the remaining lifetime based on the extrapolation, wherein the mathematical model is adapted with the adapted parameter between the regular intervals, and wherein the remaining lifetime is defined as a time until reaching any definable limiting values for one of a minimum efficiency and a minimum storage capacity

The aforementioned limitations in combination with all remaining limitations of the respective claims are believed to render the aforementioned indicated claim and any dependent claims thereof patentable over the art of record.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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4:00PM EST

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jue Zhang whose telephone number is (571) 270-1263. The examiner can normally be reached on M-TH 8:00-5:00PM EST, Other F 8:00AM-

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Monica Lewis can be reached on 571-272-1838. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.